

QUICK START GUIDE FOR DEMONSTRATION CIRCUIT 890B

FastDAACS

Item	Qty	Reference	Part Description	Manufacturer / Part #
1	3	C80,C81,C89	CAP,TANT,470uF,10V,20%, 7343	AVX TPSE477M010R0050
2	0	C94 (Opt)	CAP,TANT,470uF,10V,20%, 7343	AVX TPSE477M010R0050
3	0	C88 (Opt)	CAP, POLY-TA, 1000uF, 4V 20%,7343	KEMET T530X108M004ASE006
4	1	C88	CAP, POLY-TA, 680uF, 4V 20%, 7343	KEMET,T520D687M004ASE025
5	1	C36	CAP, 330uF16V 20PCT	NICHICON UPL1C331MPH6
6	9	C1,C2,C32,C35,C38,C76,C78, C79,C92	CAP, X5R 10uF 6.3V 20% 1206	TAIYO YUDEN JMK316BJ106ML-T
7	1	C82	CAP,TANT,4.7uF,10V,20%,3216	AVX TAJA475M010R
8	5	C8,C37,C60,C77,C91	CAP, X7R 1uF 10V 10% 0603	AVX, 0603ZD105KAT
9	1	C83	CAP, X5R 0.22uF 16V 20% 0603	AVX, 0603YD224MAT
10	15	C11,C12,C27-31,C34,C42,C44, C52,C53,C57,C62,C85	CAP, X7R 0.1uF 16V 10% 0603	AVX 0603YC104KAT
11	43	C13-26,C39,C40,C45-50,C54-56, C58,C59,C61,C63-75,C90,C93	CAP, X5R,0.1uF,10V,10%,0402	AVX, 0402ZD104KAT
12	1	C43	CAP, X7R 0.047uF 16V 10% 0603	AVX 0603YC473KAT
13	5	C4,C5,C33,C84,C87	CAP, X7R 0.01uF 16V 10% 0603	AVX 0603YC103KAT
14	1	C10	CAP, X7R 2200pF 25V 10% 0603	AVX 06033C222KAT2A
15	0	C9 (Opt)	CAP, X7R 2200pF 25V 10% 0603	AVX 06033C222KAT2A
16	1	C41	CAP, X7R 1000pF 25V 10% 0603	AVX 06033C102KAT2A
17	0	C86 (Opt)	CAP, X7R 1000pF 25V 10% 0603	AVX 06033C102KAT2A
18	1	C51	CAP, NPO,100pF,25V,10% 0603	AVX 06033A101KAT2A
19	3	C3,C6,C7	CAP, NPO 22pF 50V 10% 0603	AVX 06035A220KAT
20	9	D1-8,D12	LED, GRN 0603	LITE ON LTST-C190KGKT
21	1	D10	DIODE, DUAL SCHOTTKY, SOT23	DIODES INC. BAT54S
22	2	D11,D13	RECTIFIER,GP,1A,50V,SMA	DIODE INC, S1A
23	2	D9,D14	DIODE, GP 200V 200MA ,SOD323	DIODES INC. BAV20WS
24	1	J1	HEADER, 3X2, 2mm	COMM CON 2202S-06G2
25	0	J7,J8 (Opt)		
26	1	J2	HEADER, 2X7, 2mm	MOLEX, 87831-1420
27	0	J3,J11 (Opt)	HEADER, 2X1, 2mm	COMM CON 3201S-02G2
28	1	J4	HEADER, 3X1,100MIL	COMM CON 3801S-03G2

QUICK START GUIDE FOR DEMONSTRATION CIRCUIT 890B

FastDAACS

Item	Qty	Reference	Part Description	Manufacturer / Part #
29	1	J5	CON,EDGE,100PIN, 0.063	SAMTEC MEC8-150-02-L-D-EM2
30	1	J6	CON, USB-B, 4 PINS, SINGLE THR. HOLE	MILL-MAX, 897-30-004-90-000
31	1	J9	CONNECTOR, POWER 5mm	CUI INC. PJ-002A-SMT
32	0	J10 (Opt)	HEADER, 3X1, 2mm	COMM CON 3201S-03G2
33	1	L1	CHOKE, COMMON MODE, QUAD, 5uH	COILCRAFT TTDLF4500
34	1	L2	IND, PWR, 2.2UH, D52LC	TOKO D52LC #A914BYW-2R2M
35	0	L3 (Opt)	IND, PWR, 2.2UH, D52LC	TOKO D52LC #A914BYW-2R2M
36	5	Q1,Q6,Q8,Q9,Q12	XSTR, NPN, SOT23	DIODES INC. MMBT3904-7
37	2	Q7,Q13	XSTR, PNP SOT23	DIODES INC, MMBT3906-7
38	4	Q2,Q3,Q4,Q5	XSTR, MOSFET,SOT23	VISHAY,SI2316DS
39	2	Q10,Q11	XSTR, MOSFET,SOT23	DIODES INC. SEMI, 2N7002-7
40	1	R102	RES, 2.21MEG OHMS 1% 1/16W 0603	AAC CR16-2214FM
41	1	R92	RES, 422K OHMS 1% 1/16W 0603	AAC CR16-4223FM
42	1	R95	RES, 324K OHMS 1% 1/16W 0603	AAC CR16-3243FM
43	1	R93	RES, 200K OHMS 1% 1/16W 0603	AAC CR16-2003FM
44	5	R6,R17,R67,R68,R79	RES, 100K OHMS 1% 1/16W 0603	AAC CR16-1003FM
45	1	R94	RES, 16.2K OHMS 1% 1/16W 0603	AAC CR16-1622FM
46	1	R3	RES, 14K OHMS 1% 1/16W 0603	AAC CR16-1402FM
47	14	R4,R10,R15,R16,R46,R66,R71, R72,R73,R82,R84,R88,R91,R105,	RES, 10K OHMS 1% 1/16W 0603	AAC CR16-1002FM
48	10	R61,R81,R83,R90,R96,R112-R115,R119	RES, 4.75K OHMS 1% 1/16W 0402	VISHAY, CRCW04024751F
49	6	R21,R103,R104,R117,R118,R137	RES, 4.75K OHMS 1% 1/16W 0603	AAC CR16-4751FM
50	0	R77 (Opt)	RES, 4.75K OHMS 1% 1/16W 0603	AAC CR16-4751FM
51	4	R14,R48,R85,R89	RES, 2K OHMS 1% 1/16W 0603	AAC CR16-2001FM
52	1	R11	RES, 1.5K OHMS 1% 1/16W 0603	AAC CR16-1501FM
53	9	R8,R18,R40,R41,R44,R45,R78,R80, R106	RES, 1.00K OHMS 1% 1/16W 0603	AAC CR16-1001FM
54	0	R75,R107,R108 (Opt)	RES, 1.00K OHMS 1% 1/16W 0603	AAC CR16-1001FM
55	12	R9,R25-32,R43,R110,R111	RES, 475 OHM 1% 1/16W 0603	AAC CR16-4750FM

QUICK START GUIDE FOR DEMONSTRATION CIRCUIT 890B

FastDAACS

Item	Qty	Reference	Part Description	Manufacturer / Part #
56	2	R47,R53	RES, 332 OHM 1% 1/16W 0603	VISHAY, CRCW04023320F
57	3	R74,R76,R138	RES, 332 OHM 1% 1/16W 0402	AAC CR05-3320FM
58	5	R1,R2,R19,R38,R52	RES, 100 OHM 1% 1/16W 0603	AAC CR16-1000FM
59	0	R120-R136 (Opt)	RES, 100 OHM 1% 1/20W 0201	VISHAY, CRCW0201-101J200RT7
60	17	R7,R20,R24,R54,R55-60,R62-65, R69,R70,R116	RES, 49.9 OHM 1% 1/16 0402	AAC CR05-49R9FM
61	3	R34,R86,R87	RES, 33.2 OHMS 1% 1/16W 0603	AAC CR16-33R2FM
62	2	R12,R13	RES, 22.1 OHMS 1% 1/16W 0603	AAC CR16-22R1FM
63	4	R22,R23,R39,R51	RES, 10 OHMS 5% 1/16W 0603	AAC CR16-100JM
64	5	R97-101	RES, 10 OHMS 1% 1/8W 1206	AAC CR18-10R0FM
65	1	R42	RES, 0 OHM JUMPER 0402	VISHAY CRCW04020000ZSTDE
66	0	R50 (Opt)	RES, 0 OHM JUMPER 0402	VISHAY CRCW04020000ZSTDE
67	1	R109	RES, 0 OHM JUMPER 0805	AAC CJ10-000M
68	1	R49	RES, 0.1 OHMS 1% 1/8W 0805	Vishay WSL0805R1000FEA
69	3	R5,R33,R37	RES, 49.9K OHMS 1% 1/16W 0603	AAC CR16-4992FM
70	2	R35,R36	RES 2X4 ARRAY, CHIP, 100 OHM, ISO	ROHM MNR14E0ABJ101
71	1	SW1	SWITCH, LIGHT TOUCH, 2 PINS	PANASONIC, EVQPPDA25
72	5	TP2-3,G2,G3,G5	TURRET	MILL MAX 2308-2
73	0	TP1,G4,G6 (Opt)		
74	1	U17	I.C., 93LC46BT-I/OT, SOT23-6	MICROCHIP 93LC46BT-I/OT
75	1	U7	I.C., FT245BM, LQFP32	FUTURE TECH.,(FTDICHIP) FT245BM
76	1	U10	IDT71T75602S200PF	IDT71T75602S200PF
77	0	U10 (Opt)	71V2556S200PF	71V2556S200PF
78	1	U19	IC, LT1529CQ-5	LINEAR TECH. LT1529CQ-5
79	1	U4	IC, LT1763CS8	LINEAR TECH. LT1763CS8
80	1	U8	IC, LT1763CS8-3.3	LINEAR TECH. LT1763CS8-3.3
81	1	U5	IC, LTC1726EMS8-2.5	LINEAR TECH. LTC1726EMS8-2.5
82	2	U3,U14 (tape & reel)	IC, LTC1844ES5-3.3	LINEAR TECH. LTC1844ES5-3.3
83	1	U21	IC, LDO,1.5A,DD-5(Q PKG)	LINEAR TECH, LT1963EQ-2.5

QUICK START GUIDE FOR DEMONSTRATION CIRCUIT 890B

FastDAACS

Item	Qty	Reference	Part Description	Manufacturer / Part #
84	1	U1	IC, LTC2921CGN-3.3	LINEAR TECH. LTC2921CGN-3.3
85	1	U16	IC, LTC4210-1CS6	LINEAR TECH. LTC4210-1CS6
86	1	U15	IC, LTC4300A-1CMS8	LINEAR TECH. LTC4300A-1CMS8
87	1	U12	IC, LTC4410ES6	LINEAR TECH. LTC4410ES6
88	1	U2	IC, OSC,SOT23-5	LINEAR TECH, LTC6905CS5-96
89	1	U11	IC, NC7SP17P5X	FAIRCHILD, NC7SP17P5X
90	1	U18	IC, FF,DUAL, HC, TSSOP14	PHILIPS, 74HC74PW
91	1	U6 (in trays)	IC, PIC16LF877A-I/PT	MICROCHIP, PIC16LF877A-I/PT
92	1	U9	IC, XC3S200-4PQ208	XILINX, XC3S200-4PQ208
93	1	U13	IC, SEEPROM,4MEG,SO8	ST MICRO, M25P40-VMN6TP
94	1	U20	IC, SWREG,SYNC,BUCK,	LINEAR LTC3411EMS
95	1	X1	CONN, BNC 50 OHM	CONNEX 112404
96	1	Y1	CRYSTAL, 10MHZ, HC49-SMT	ECS INC. ECS-100-18-5P
97	4		Stand Off, 1/4 X 4-40	Microplastic
98	4		Screw, 4-40 - 1/4"	Screw
99	1		PCB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 890B
100	1		HEATSINK,BGA (FOR U9)	AAVID/THERMALLOY, 374324B00035